

SUSPENSION SYSTEM WITH ADJUSTABLE PRE-LOAD OR FLY HEIGHT PARAMETERS

ABSTRACT OF THE DISCLOSURE

5 A suspension assembly which can be energized to provide in-
situs fly height adjustment for a head of a disc drive or energizable to adjust
preload force for CSS. The suspension assembly includes a shape memory
flexure element having an energizable length differential. In one aspect, the
flexure element is integrated with a flexible suspension circuit which provides
10 advantages for manufacture and assembly. In another aspect, the flexure
element is coupled to a bending portion of the head suspension assembly and
energized to adjust flexure of the suspension assembly relative to the bending
portion.